



### BAKEABLE KLIK REEL™

#### PRODUCT DESCRIPTION

Bakeable KLIK REELS™ manufactured by Advanced Integrated Materials provide users a durable, high strength take up reel designed for dimensional stability at high temperatures. Additionally, Bakeable KLIK REELS™ are manufactured from conductive materials for maximum ESD protection.

These high impact polycarbonate take up reels are available in the full range of EIA tape widths from 8 to 88 mm. They provide the ideal combinations of a conductive, bakeable reel designed for maximum component protection and packaging strength.

#### BASE MATERIAL

High Impact Conductive Polycarbonate

#### BAKEABLE

Resistant to oven temperatures up to 130° C for a maximum of 48 hours.

#### SURFACE RESISTIVITY

Conductive with surface resistivity less than  $1 \times 10^7$  ohms per square

#### COLOUR AND WINDOWS

KLIK REELS™ are available in black with 5 windows per flange for easy visual reference whilst maintaining ample labelling space and reel strength.

#### RECYCLABLE SPACE SAVING DESIGN

The unique inter-stacking design of our KLIK REELS™ allows high density storage offering up to a 180% space saving compared to assembled reels. This efficient, recyclable design allows users to minimize storage space thereby reducing overall cost of ownership whilst providing an environmentally ISO 14000 friendly reel.



#### REEL DIAMETER

Bakeable KLIK REELS™ are available in 13-inch (330mm) reel diameters and all tape increments from 8mm – 88mm carrier widths. 15-inch (380mm) diameter reels are also available by special order.

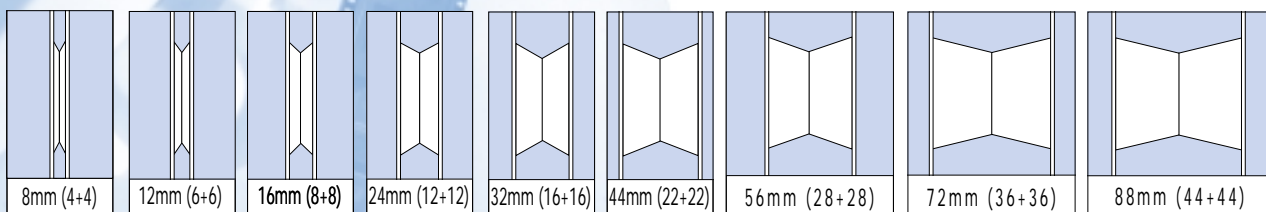
#### SHELF LIFE AND STORAGE CONDITIONS

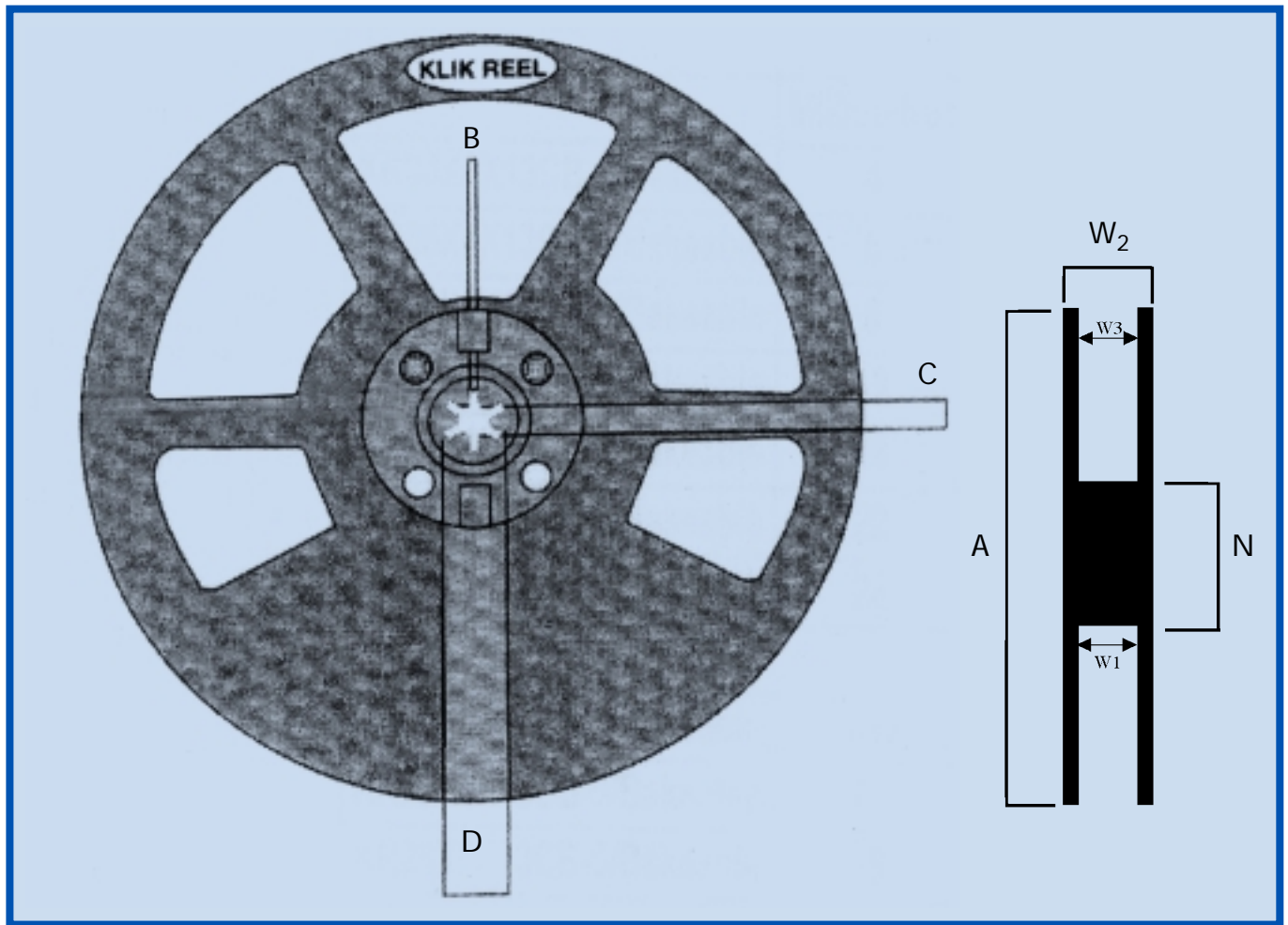
With an unlimited shelf life, the recommended storage conditions for Bakeable KLIK REELS™ include storage indoors away from direct sunlight within a temperature range of 18° to 35° C (64° to 95° F) and relative humidity levels of 35% – 65%.

#### HUB WIDTH AND ASSEMBLY

KLIK REELS™ are supplied in two halves enabling quick, easy self-assembly. The two halves are clicked together to form the assembled reel. The hub diameter is available in 4 inch (100mm) and larger tape widths (32mm and up) available in 6-inch (150mm) hub diameter to offer maximum component protection no matter what size or pitch. The illustrations below outline the hub widths available to provide a finished reel.

#### COMBINATION GUIDE FOR BAKEABLE KLIK-REELS





**DIMENSIONS FOR ASSEMBLED BAKEABLE KLIK REELS™  
WITH 4 AND 6 INCH (100 & 150MM) DIAMETER HUBS.**

(All dimensions in mm)

Tape Width	A Diameter	B (min)	C	D (min)	N Hub	W1	W2 (max)	W3 (min)	W3 (max)
8	330	1.5	13 +0.2 -0.2	20.2	100 +/- 1mm	8.4 +1.5 -0.0	14.4	7.9	10.9
12	330	1.5	13 +0.2 -0.2	20.2	100 +/- 1mm	12.4 +2.0 -0.0	18.4	11.9	15.4
16	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	16.4 +2.0 -0.0	22.4	15.9	19.4
24	330	1.5	13 +0.5 -0.2	20.2	100 +/- 1mm	24.4 +2.0 -0.0	30.4	23.9	27.4
32	330	1.5	13 +0.5 -0.2	20.2	100 or 150 +/- 1mm	32.4 +2.0 -0.0	38.4	31.9	35.4
44	330	1.5	13 +0.5 -0.2	20.2	100 or 150 +/- 1mm	44.4 +2.0 -0.0	50.4	43.9	47.4
56	330	1.5	13 +0.5 -0.2	20.2	100 or 150 +/- 1mm	56.4 +2.0 -0.0	62.4	55.9	59.4
72	330	1.5	13 +0.5 -0.2	20.2	150 +/- 1mm	72.4 +2.0 -0.0	89	*	*
88	330	1.5	13 +0.5 -0.2	20.2	150 +/- 1mm	88.4 +2.0 -0.0	105	*	*

\*Shall accommodate tape without interference

**ALL OTHER DIMENSIONS AND TOLERANCES ARE FULLY COMPLIANT WITH EIA-481-B**

QUANTITY PER BOX			
Finished Reel Tape Width	Flanges per Box	Finished Reel Tape Width	Flanges per Box
8mm	60*		
12mm	50	44mm	50
16mm	50	56mm	50
24mm	50	72mm	50
32mm	50	88mm	50

\* 8mm reels are provided assembled with 30 reels per box.

FLANGE (1/2 REEL) PART NUMBERING REFERENCE GUIDE			
Flange Part No.	Hub width Millimetres	Hub Diameter Inches	Flange Diameter Inches
KR04X4X13CB-5/Bakeable	4	4	13
KR06X4X13CB-5/Bakeable	6	4	13
KR08X4X13CB-5/Bakeable	8	4	13
KR12X4X13CB-5/Bakeable	12	4	13
KR16X4X13CB-5/Bakeable	16	4	13
KR22X4X13CB-5/Bakeable	22	4	13
KR28X4X13CB-5/Bakeable	28	4	13
KR16X6X13CB-5/Bakeable	16	6	13
KR22X6X13CB-5/Bakeable	22	6	13
KR28X6X13CB-5/Bakeable	28	6	13
KR36X6X13CB-5/Bakeable	36	6	13
KR44X6X13CB-5/Bakeable	44	6	13

#### WARRANTY STATEMENT

All products come with a one year limited warranty.

#### CUSTOMER SERVICE

Our global customer service and technical support teams can assist in all aspects of specifying and sourcing your entire in-house taping requirements. Our extensive open tooling database is utilised to search for available exact fit carrier tapes. Advanced Integrated Materials design carrier tapes for all standard and non-standard components and can assist in cover tape and KLIK REEL™ recommendations. Materials required for in-house tape & reel and finished goods operations are also supplied. Please contact our local customer service departments at the relative location nearest you. Complete contact details are available from our website contact page.

#### OTHER PRODUCTS AND SERVICES AVAILABLE

In addition to our KLIK REELS™, we offer a complete range of all materials necessary for tape and reel operations including: carrier tapes, cover tapes, humidity indicator cards, moisture barrier bags, desiccant and other sundry semiconductor finishing materials. Also available from our parent company Reel Service is full subcontract tape and reel, inspection and programming capabilities. Please contact our customer service team for further information on our complete range of tape and reel products and services.



Global packaging, local to you



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[www.reelservice.com](http://www.reelservice.com)